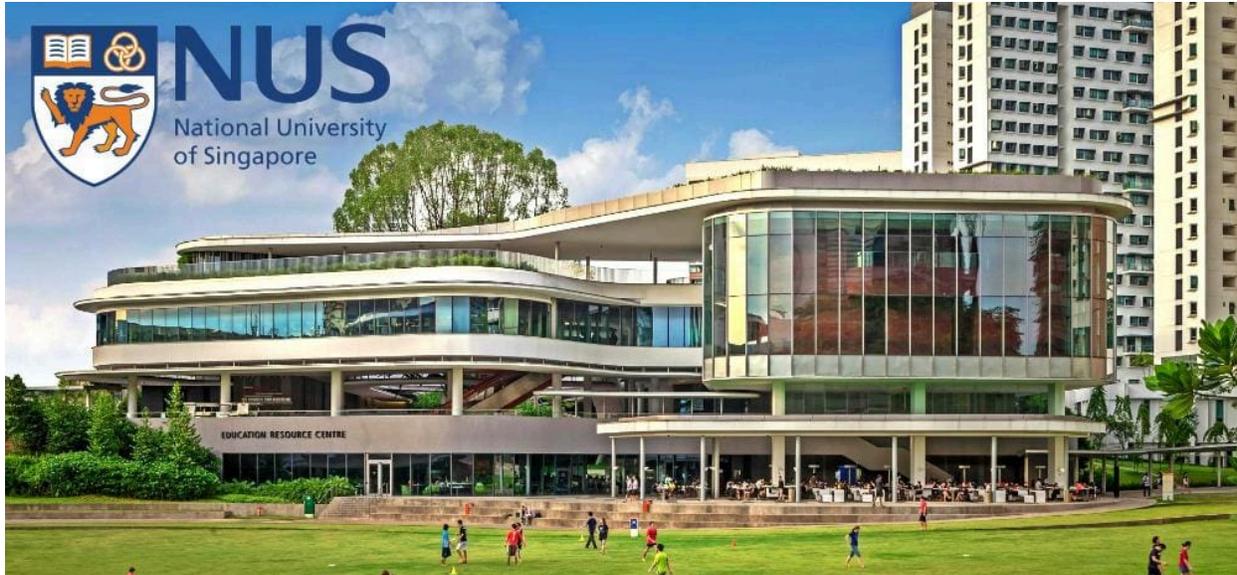


English



Openings at CoSTA@NUS Lab

About 🌴 CoSTA@NUS Lab:

Cognitive Science & Trustworthy AI (CoSTA@NUS) Lab stands at the “cognitive coastline” — a frontier where human minds meet machine intelligence. The lab seeks to navigate the uncharted waters of AI, guided by cognitive science and a commitment to safe, ethical innovation.

- **Cognitive Science of AI:** We aim to understand the inner workings and vulnerabilities of AI systems through the lens of cognitive psychology and neuroscience.
- **AI for Cognitive Health:** We leverage AI to simulate cognitive symptoms, advance our understanding, and treatment of cognitive disorders.
- **AI Safety:** We are dedicated to developing fundamental computational methodologies for accountable and interpretable AI safety, including risk quantification and mitigation.

About PI:

Junyuan “Jaosn” Hong is an incoming Assistant Professor at [the ECE department of the National University of Singapore](#) and currently works at [Massachusetts General Hospital & Harvard Medical School](#). Previously, he was a postdoctoral fellow advised by [Dr. Atlas Wang](#) in the Institute for Foundations of Machine Learning (IFML). He has been recognized as one of the [MLSys Rising Stars](#) in 2024 and received a [Best Paper Nomination at VLDB 2024](#), and some of his work was covered by [The White House](#), and [MSU Office of Research and Innovation](#).

Openings:

- Multiple **remote internships** are available if you are interested in pursuing a PhD in our lab.
- 1 fully-funded **Ph.D. position (scholarship/RA, 2027 Spring)** available in the lab.

- For excellent students, I am happy to nominate/endorse you to apply for the President's Graduate Fellowship (PGF), AISG PhD Fellowship, and scholarships provided by other agencies, such as A*STAR Scholarship, SINGA, etc. Find details at [NUS scholarships](#).

About NUS ECE:

The Department of Electrical and Computer Engineering (QS2025 #4) at the National University of Singapore (QS2025 #8), housed under the dynamic College of Design and Engineering (CDE), offers a world-class environment at the forefront of innovation in electronics, computing, robotics, IoT, and sustainable technologies.

What We Offer:

- **Hands-on and personalized mentorship** for cutting-edge research. Many prior [mentees](#) have multiple publications in ML/NLP top conferences and have secured jobs in the industry.
- **Collaboration:** Opportunities to collaborate with leading researchers at worldwide top universities (NUS, UT Austin, Harvard, UMich, UIUC, MIT, Princeton, etc.).
- **Computation resources:** University cluster ([48x H100 GPU](#), [102x A40 GPU](#)). More lab resources will be available in Fall 2026.

Who We're Looking For:

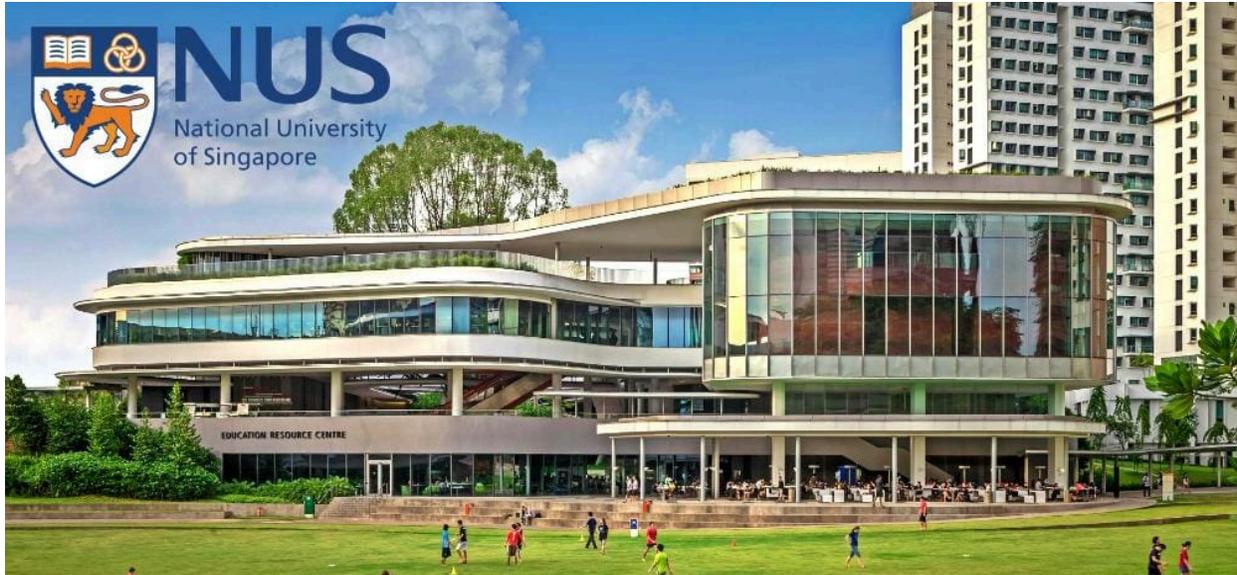
We are seeking individuals with a strong background in AI/ML, cognitive science (neuroscience | psychology) or related fields. Ideal candidates will have:

- Excellent problem-solving (coding or math) and analytical skills.
- Ability to work independently and good communication skills to work collaboratively.
- Qualification for scholarships (meaning a solid academic record) will be prioritized.
- (optional) Demonstrated research experience and insights into relevant papers.

How to Apply:

- If you are interested in my lab, please fill out the [Recruiting Form](#). TOEFL/IELTS and GRE are required for applications. If there is a good match, I will contact you via email for interviews.
- If everything goes well, please apply [online](#). *Reminder:* Apply for PhD instead of EngD; Source of Finance: NUS research scholarship or others if you have your own source; select me as your proposed supervisor.

Chinese



CoSTA@NUS实验室招生

关于 🦋 CoSTA@NUS实验室: 认知科学与可信人工智能 (CoSTA@NUS) 实验室的研究试图触及“认知海岸线”——人类思维与机器智能交汇的前沿地带。我们秉持安全、道德创新的承诺, 在认知科学中寻求启发, 探索人工智能的未知疆域。

- 人工智能的认知科学: 我们旨在透过认知心理学和神经科学的视角, 深入剖析人工智能系统的内在运作机制及其潜在的脆弱性。
- 服务认知健康的人工智能: 我们致力于运用人工智能, 不仅增进对认知障碍的理解和治疗, 更模拟认知症状, 助力相关研究。
- 人工智能安全: 我们专注于开发负责任且可解释的人工智能安全基础计算方法, 包括风险量化与有效控制。

关于PI:

[洪骏远](#)博士是新加坡国立大学[电气与计算机工程系](#)即将上任的助理教授(2026 Fall), 目前在[麻省总医院](#)和[哈佛医学院](#)从事研究工作。此前, 他曾是德州大学奥斯汀分校的机器学习基础研究所([IFML](#))的博士后研究员, 导师是[Atlas Wang](#)博士。他被评为2024年[MLSys](#)新星之一, 并获得了[VLDB 2024最佳论文提名](#), 他的一些工作还被[白宫](#)和[密歇根州立大学研究与创新办公室](#)报道。

职位空缺:

- 实验室提供2-3个全额资助的博士职位(奖学金/助研, 2027年春季入学)。对于优秀的学生, 我很乐意提名/推荐您申请总统研究生奖学金(PGF)、AISG博士奖学金以及其他机构提供的奖学金, 如A*STAR奖学金、SINGA等。详情请访问[新加坡国立大学奖学金网站](#)。

- 如果您有兴趣在我们的实验室攻读博士学位, 有多个远程实习机会。

关于新加坡国立大学ECE系:

新加坡国立大学[电气与计算机工程系](#)(QS2025排名第4), 隶属于设计与工程学院(CDE), 提供世界一流的环境, 处于人工智能、电子、机器人、物联网和可持续技术创新的前沿。

我们提供:

- 前沿研究的个性化亲身指导。许多之前的[受指导学生](#)在ML/NLP顶级会议上发表了10+篇论文, 并获得了行业工作。
- 合作机会: 有机会与全球顶尖大学(新加坡国立大学、德克萨斯大学奥斯汀分校、哈佛大学、密歇根大学、伊利诺伊大学厄巴纳-香槟分校、麻省理工学院、普林斯顿大学等)的领先研究人员合作。
- 计算资源: 大学集群([48个H100 GPU, 102个A40 GPU](#))。更多实验室资源将在2026年秋季提供。

我们寻找的人才:

我们正在寻找在人工智能/机器学习、认知科学(神经科学 | 心理学)或相关领域有扎实背景的人才。理想的候选人应具备:

- 出色的解决问题(编程或数学)和分析能力。
- 独立工作能力和良好的协作沟通能力。
- 符合奖学金资格(即扎实的学业记录)的候选人将优先考虑。
- (可选) 展示出研究经验和对相关论文的意见。

如何申请:

- 如果您对我的实验室感兴趣, 请填写[招聘表格](#)。ECE系要求申请者提供TOEFL/IELTS和GRE成绩。如果匹配度高, 我将通过电子邮件与您联系进行面试。
- 如果一切顺利, 请[在线申请](#)。提醒: 请申请博士(PhD)而非工程博士(EngD); 资金来源选择新加坡国立大学研究奖学金或您自己的其他来源; 请选择我作为您的拟任导师。